

Title (en)

Contactless axial carbon seal for a bearing housing

Title (de)

Berührungsfreie Axialkohlenstoffdichtung für ein Lagergehäuse

Title (fr)

Joint carbone axial sans contact pour une enceinte de palier

Publication

EP 1186813 B1 20041215 (FR)

Application

EP 01870193 A 20010905

Priority

- EP 01870193 A 20010905
- EP 00870192 A 20000907
- EP 00870206 A 20000915

Abstract (en)

[origin: EP1186813A1] The sealing joint comprises a rotating ring (3) mounted on the sleeve (15) located at the side of the oil enclosure (17) and a carbon segment ring (2) not in contact with the shaft (16) nor with the joint support (11). The carbon ring is supported against an annular support (9) by means of springs (7). The carbon ring radial face (20) engages the rotating ring by its radial face (19) by means of bearing grooves (24) machined in the rotating ring so as to ensure dynamic sealing without friction between the radial faces.

IPC 1-7

F16J 15/44

IPC 8 full level

F16J 15/44 (2006.01)

CPC (source: EP)

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Cited by

EP3346097A1; CN108266272A; CN113874602A; US10718234B2; US11761352B2

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DOCDB simple family (publication)

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